

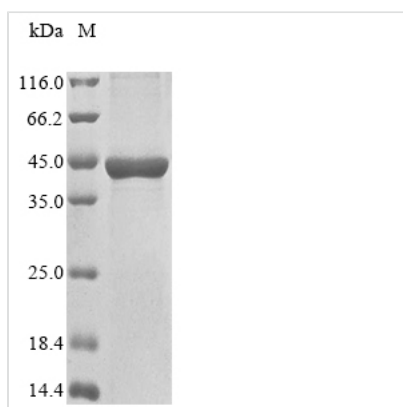


Recombinant *Aeromonas hydrophila* subsp. *hydrophila* D-erythrose-4-phosphate dehydrogenase (epd)

Product Code	CSB-EP367173AUH
Abbreviation	Recombinant <i>Aeromonas hydrophila</i> subsp. <i>hydrophila</i> epd protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	A0KGD2
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Proteins
Immunogen Species	<i>Aeromonas hydrophila</i> subsp. <i>hydrophila</i> (strain ATCC 7966 / DSM 30187 / JCM 1027 / KCTC 2358 / NCIMB 9240)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MIKIAINGYGRIGRNVLRLALYESGRDKNIKIVAINELAAPEAMVHLTRFDTSHGR FHHPVQLAGNSMLVGEDLISLFAERDPSRLPWRALGVDVLDCTGVFGSRAD AELHLAAGAGKVLFSHPAEADVATIVYGVNHQVLTGRERIVSNASCTTNCVV PVIETLHREFEINC GTITTIHSAMHDQQVIDAYHSDLRRRTRAASQSIIPVDTKLAK GLERILPHFAGKFEAIAVRVPTINVTAMDLSITVRKKVTVTDVNQALQRASRGTL SGILDYTEEPLVSVDFNHDHSCIIDGTQTRVSDANLVKMLMWCDNEWGFAN RMLDTTRAMMAAG
Research Area	Signal Transduction
Source	<i>E. coli</i>
Target Names	epd
Protein Names	Recommended name: D-erythrose-4-phosphate dehydrogenase Short name= E4PDH EC= 1.2.1.72
Expression Region	1-336aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	44.3 kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.